

**UNITED STATES PATENT AND TRADEMARK OFFICE**  
**CERTIFICATE OF CORRECTION**

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INVENTOR(S) : Volkmar A. Sohner

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 4, line 28, delete the word "lid" and insert -- 11d --.

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11g. Edges 50, 51 and 52 representing the temporal constraints have attributes, which are the minimum and maximum time interval between activities, and the type of temporal constraint, such as start-start, start-finish, finish-finish, or finish-start. References to successive activities are modeled by following the full and dotted straight arrows. In Figure 5b, starting from activity 11d, first follow the arrow "succ\_edge" 51 to reach the first successor activity from the small square 53 along the edge "succ\_act" 52. This process is repeated from the first small square in order to reach all other successor activities successively. These small squares 53, also known as auxiliary objects, store the references to the successor activities, the next auxiliary object, and all the attributes of the temporal constraint between activities. The same technique can be used to model predecessor constraints, for example by following the curved arrows "pred\_edge" 54 and "pred\_act" 55 to find the predecessors of activity 11h.

Cross-order temporal constraints are illustrated in Figure 6. A first order 61 and a second order 62 each contain three activities 11. There is a cross-order temporal constraint between activity 11j of first order 61 and activity 11n of second order 62. This constraint is mapped in the same way as described above for an inter-order temporal constraint, showing that activity 11j has successor